

AMENDMENT TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application.

Claim 1. (Currently Amended) ~~An article package~~ including a mark for identification of the ~~articlepackage~~, wherein the mark comprises a non-predetermined random identifier comprising at least one feature peculiar to ~~and integral to the articlepackage~~ itself.

Claim 2. (Canceled)

Claim 3. (Currently Amended) The ~~articlepackage~~ according to claim 1, wherein the random identifier comprises a part of a design of the ~~articlepackage~~.

Claim 4. (Currently Amended) The ~~articlepackage~~ according to claim 1, wherein the random identifier comprises at least one random pattern.

Claim 5. (Currently Amended) The ~~articlepackage~~ according to claim 4, wherein the random pattern comprises a distribution of luminophores.

Claim 6. (Currently Amended) The ~~articlepackage~~ according to claim 4, further comprising a marking generated based on the random pattern and arranged on the ~~articlepackage~~.

Claim 7. (Currently Amended) The ~~articlepackage~~ according to claim 5, wherein the distribution of luminophores is detectable and is at least one of filed or deposited as an optionally coded marking in at least one of a data bank or print on the package.

Claim 8. (Currently Amended) The ~~articlepackage~~ according to claim 6, further comprising a code applied to the ~~articlepackage~~.

Claim 9. (Previously Amended) The ~~articlepackage~~ according to claim 8, wherein

the code includes a serial number and is in a predetermined and reproducible relationship to the mark.

Claim 10. (Currently Amended) The articlepackage according to claim 8, wherein the code and the mark are in correlation with each other.

Claim 11. (Currently Amended) The articlepackage according to claim 10, wherein the correlation is formed by storage.

Claim 12. (Currently Amended) The articlepackage according to claim 10, wherein the correlation is formed by a coding function.

Claim 13. (Canceled)

Claim 14. (Currently Amended) The articlepackage according to claim 1, wherein the random identifier is arranged on the whole articlepackage or in a predefined region of the articlepackage.

Claim 15. (Currently Amended) The articlepackage according to claim 8, wherein the articlepackage further comprises at least one of a primary packaging, or a secondary packaging, or a tertiary packaging.

Claim 16. (Currently Amended) The articlepackage according to claim 15, wherein at least one of the mark, the code or the marking is visibly arranged on at least one of the primary packaging, the secondary packaging, or the tertiary packaging.

Claim 17. (Currently Amended) The articlepackage according to claim 16, wherein the marking is arranged on the secondary packaging, the marking being designed as a link number, wherein the link number is generated from at least one of the mark, the code, or the marking arranged on the primary packaging.

Claim 18. (Currently Amended) The articlepackage according to claim 4, wherein

the random pattern comprises at least one of a gap width, an overlap region, a contact region of joint surfaces, a joint seam, a wave pattern of a joint seam, folds, or cut edges of the articlepackage.

Claim 19. (Currently Amended) A method of creating a marking for an article package provided with a mark, comprising the steps of:

detecting a non-predetermined random identifier comprising at least one feature peculiar to and integral to the articlepackage itself as the mark, converting the random identifier to the marking, and

depositing the marking as at least one of a data record in a data bank or a print on the articlepackage.

Claim 20. (Currently Amended) The method according to claim 19, further comprising:

providing the articlepackage with a random pattern as the random identifier, the random pattern including a distribution of luminophores.

Claim 21. (Previously Amended) The method according to claim 19, wherein the converting step comprises performing a suitable mathematical function.

Claim 22. (Previously Amended) The method according to claim 19, wherein the depositing step comprises coding the marking before printing on the package or before filing in the data bank.

Claim 23. (Previously Amended) The method according to claim 19, wherein the marking is deposited in the data bank, and further comprising compressing the marking before filing in the data bank.

Claim 24. (Previously Amended) The method according to claim 19, wherein the detecting step comprises optically detecting the random identifier.

Claim 25. (Previously Amended) The method according to claim 20, further

comprising:

numerically coding the random distribution of luminophores, the luminophores being visible with UV light, and

storing the numerically coded luminophores as the random identifier.

Claim 26. (Currently Amended) The method according to claim 19, further comprising providing the articlepackage with a code.

Claim 27. (Previously Amended) The method according to claim 26, further comprising:

combining the code and the marking into a data pair, wherein at least two of the code, the mark and the marking have a predetermined, reproducible reference relationship to each other.

Claim 28. (Previously Amended) The method according to claim 27, further comprising:

correlating the marking and the code with each other in the data pair, and
filling the data pair in the data bank.

Claim 29. (Currently Amended) The method according to claim 26, wherein at least one of the code, the mark, or the marking is applied or attached to the articlepackage either on-line or off-line.

Claim 30. (Currently Amended) The method according to claim 26, wherein the articlepackage comprises at least one of a primary packaging, a secondary packaging, or a tertiary packaging; and at least one of the code, the mark, or the marking is applied or attached to at least one of the primary packaging, the secondary packaging, or the tertiary packaging .

Claim 31. (Currently Amended) A method for the identification of an article package provided with a mark, the mark comprising a non-predetermined random identifier that comprises at least one feature peculiar to and integral to the articlepackage itself, and

wherein a marking, which is a function of the mark, is printed on the articlepackage or filed as a data record in a data bank, the method comprising steps of:

detecting the random identifier,
converting the random identifier to an associated marking, and
aligning the associated marking with the print of the marking on the articlepackage, or
the data record of the marking filed in the data bank.

Claim 32. (Previously Amended) The method according to claim 31, wherein the detecting includes:

rendering the random identifier visible by irradiation with light in the ultraviolet spectral range; and
optically detecting the random identifier.

Claim 33. (Previously Amended) The method according to claim 31, wherein the converting step comprises performing a suitable mathematical function.

Claim 34. (Previously Amended) The method according to claim 31, wherein:
the detecting step comprises scanning the random identifier to obtain identifier information,
the converting step comprises determining the associated marking from the scanned identifier information, and
the aligning step comprises comparing the associated marking with the marking.

Claim 35. (Currently Amended) The method according to claim 31, further comprising detecting a code arranged on the articlepackage.

Claim 36. (Previously Amended) The method according to claim 35, further comprising:
forming an associated data pair comprising the detected code and the associated marking, and
comparing the associated data pair with a data pair comprising the code and the marking previously filed in the data bank.

Claim 37. (Currently Amended) A device for creating a marking for an article package provided with a mark, comprising:

means for detecting at least one non-predetermined random identifier comprising at least one feature peculiar to and integral to the articlepackage itself as the mark,

means for generating and displaying or outputting the marking based on the random identifier, and

means for at least one of filing or depositing the marking.

Claim 38. (Currently Amended) The device according to claim 37, further comprising means for providing the articlepackage with the random identifier.

Claim 39. (Previously Amended) The device according to claim 37, wherein the means for at least one of filing or depositing comprises at least one of a printer or a data bank.

Claim 40. (Previously Amended) The device according to claim 39, further comprising means for applying a code.

Claim 41. (Previously Amended) The device according to claim 40, further comprising means for coding the marking to obtain the code.

Claim 42. (Previously Amended) The device according to claim 41, wherein the means for detecting, the means for generating and displaying or outputting the marking, the means for coding and the means for at least one of depositing or filing, are operatively linked together.

Claim 43. (Currently Amended) A device for the identification of an article package including a mark comprising a non-predetermined random identifier peculiar to and integral to the articlepackage itself, and wherein a marking is created that is a function of the non-predetermined random identifier, the device comprising:

means for detecting the random identifier peculiar to the articlepackage itself, and

means for generating and displaying or outputting an associated marking based on the

random identifier, wherein the associated marking is associated with the marking created as a function of the non-predetermined random identifier.

Claim 44. (Previously Amended) The device according to claim 43, wherein the means for detecting is operative to emit UV light and pick up information from the random identifier which is rendered visible.

Claim 45. (Previously Amended) The device according to claim 43, wherein the means for detecting is further operative to detect information relating to the marking and a code located on the package.

Claim 46. (Previously Amended) The device according to claim 43, wherein the means for generating and displaying or outputting is operative to carry out a mathematical function to convert the random identifier to the associated marking.

Claim 47. (Previously Amended) The device according to claim 43, further comprising means for decoding the marking.

Claim 48. (Previously Amended) The device according to claim 47, wherein the means for detecting, the means for generating and displaying or outputting, and the means for decoding are coupled to a data bank.

Claim 49. (Previously Amended) The device according to claim 48, wherein the means for detecting, the means for generating and displaying or outputting, the data bank, and the means for decoding are operatively linked to each other.

Claim 50. (Previously Amended) A mobile hand-held device comprising the device according to claim 43.